

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 2 | ((("20040062040") or ("20050258446")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/10 15:40 |
| S1 | 1 | ("20060232969").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/08 16:03 |
| S2 | 4 | ("20020050958" "20020070914" "20020101362" "6439731").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/10 15:40 |
| S3 | 5 | S1 or S2 | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/08 16:03 |

EAST Search History

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|----|----|---|---|-----|----|------------------|
| S4 | 78 | (US-20040032569-\$ or US-20030189829-\$ or US-20050243539-\$ or US-20040057234-\$ or US-20040052077-\$ or US-20050152146-\$ or US-20030072153-\$ or US-20030058650-\$ or US-20030048641-\$ or US-20060002142-\$ or US-20060187660-\$ or US-20060007013-\$ or US-20060023448-\$ or US-20060146531-\$ or US-20060092640-\$ or US-20060092639-\$ or US-20060034085-\$ or US-20050237747-\$ or US-20020176250-\$ or US-20050047140-\$ or US-20050018445-\$ or US-20040264195-\$ or US-20030156416-\$ or US-20040233671-\$ or US-20060227554-\$ or US-20040069459-\$).did. or (US-20060098438-\$ or US-20050022978-\$ or US-20060056169-\$ or US-20050051304-\$ or US-20040184272-\$ or US-20060203510-\$ or US-20040050533-\$ or US-20050207165-\$ or US-20060232969-\$ or US-20040213016-\$ or US-20010030866-\$).did. or (US-7055987-\$ or US-6082443-\$ or US-6827134-\$ or US-3971435-\$ or US-5223747-\$ or US-6994152-\$ or US-5785418-\$ or US-5660461-\$ or US-6949772-\$ or US-6717813-\$ or US-6880626-\$ or US-6857767-\$ or US-6910794-\$ or US-4729076-\$ or US-6789921-\$ or US-5119174-\$ or US-4925295-\$ or US-7121692-\$ or US-6843308-\$ or US-6045240-\$ or US-7111963-\$ or US-6490160-\$ or US-6227287-\$ or US-6799864-\$ or US-6428189-\$ or US-6964489-\$). did. or (US-6585039-\$ or US-5960866-\$ or US-5268812-\$ or US-6856037-\$ or US-6375340-\$ or US-6377459-\$ or US-6163073-\$ or US-6437981-\$ or US-5857767-\$ or US-6517218-\$ or US-5528474-\$ or US-7095187-\$ or US-4787737-\$ or US-5465782-\$ or US-3673306-\$). did | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/08 17:15 |
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EAST Search History

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|-----|------|--|---|-----|-----|------------------|
| S5 | 411 | (362/97).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/08 17:15 |
| S6 | 2007 | (362/800).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/08 17:15 |
| S7 | 2128 | (362/294).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/08 17:16 |
| S8 | 2549 | (362/294,373).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/08 17:16 |
| S9 | 951 | (362/231).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/08 17:17 |
| S10 | 210 | (S5 or S6 or S8) and S9 | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/08 17:18 |
| S11 | 198 | S10 and (LED or LEDs or (L E D) or (light (emitting or producing or generating or radiating) (diode or diodes or device or devices or element or elements or semiconductor or (semi conductor) or (circuit element)))) | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/08 17:35 |

EAST Search History

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|-----|-----|--|---|-----|-----|------------------|
| S12 | 151 | ("20010035922" "20020006040" "20030048641" "4025777" "4044708" "4521835" "4602191" "4727289" "4729076" "4939426" "4954822" "4963798" "4965488" "4992704" "5008788" "5036248" "5119174" "5143433" "5143442" "5375043" "5396406" "5400229" "5450301" "5528474" "5561346" "5619351" "5660461" "5803579" "5808800" "5813753" "5876107" "5921652" "6007209" "6045240" "6056420" "6079838" "6084250" "6158867" "6210010" "6241363" "6252254" "6315440" "6329676" "6331063" "6335817" "6386720" "6392891" "6394626" "6404131" "6411046" "6412968" "6428189" "6443597" "6517213" "6600427" "6612717" "6642975").PN. OR ("2003/0072153" "2006/0023448" "5008788" "5752766" "6799865" "6857767" "6883933" "6923548" "6964489").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/12/08 17:49 |
| S13 | 473 | (257/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/08 17:49 |
| S14 | 466 | S13 not (S4 or S11 or S12) | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/08 18:00 |
| S15 | 4 | ("20020050958" "20020070914" "2 0020101362" "6439731").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/08 18:00 |

EAST Search History

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|-----|-----|---|---|-----|-----|------------------|
| S16 | 143 | ("20010035922" "20020006040" "20020074557" "20030048641" "20030048912" "20030063463" "20030072153" "20030076033" "20030098460" "20030112627" "20040125515" "20050018424" "20050178034" "3940756" "4044708" "4077144" "4241277" "4394600" "4573766" "4602191" "4937654" "5008788" "5059373" "5119174" "5375039" "5426446" "5471371" "5478778" "5528474" "5550721" "5632551" "5659297" "5660461" "5719444" "5739800" "5746497" "5806965" "5808800" "5857767" "6007209" "6045240" "6116759" "6158867" "6175342" "6210010" "6238056" "6283613" "6331063" "6390643" "6392891" "6394626" "6402347" "6428189" "6480389" "6517213" "6600427" "6612717" "6642975" "6652127" "6813853" "6831305").PN. OR ("2002/0006040" "2002/0020845" "2002/0050958" "2003/0072153" "2003/0189829" "2005/0207165" "5008788" "6439731" "6857767" "6883933" "6964489" "7138659").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/12/08 18:08 |
| S17 | 1 | ("20030052594").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/08 18:17 |

EAST Search History

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|-----|------|--|---|-----|-----|------------------|
| S18 | 36 | (US-20060232969-\$ or US-20010030866-\$ or US-20030048641-\$ or US-20030058650-\$ or US-20030072153-\$ or US-20030189829-\$ or US-20040213016-\$ or US-20040233671-\$ or US-20050207165-\$ or US-20060023448-\$ or US-20020006040-\$ or US-20020020845-\$ or US-20020050958-\$ or US-20030052594-\$).did. or (US-6439731-\$ or US-4729076-\$ or US-5119174-\$ or US-5660461-\$ or US-5528474-\$ or US-5857767-\$ or US-6045240-\$ or US-6375340-\$ or US-6857767-\$ or US-6910794-\$ or US-5008788-\$ or US-5752766-\$ or US-6799865-\$ or US-6883933-\$ or US-6923548-\$ or US-6964489-\$ or US-4992704-\$ or US-6528954-\$ or US-7138659-\$ or US-D405426-\$ or US-3890170-\$ or US-5266817-\$). did. | US-PGPUB; USPAT | ADJ | ON | 2006/12/08 18:18 |
| S19 | 6 | S18 and (silicon and aluminum) | US-PGPUB; USPAT | ADJ | ON | 2006/12/08 18:18 |
| S20 | 25 | S18 and aluminum | US-PGPUB; USPAT | ADJ | ON | 2006/12/08 18:19 |
| S21 | 4 | ("20020050958" "20020070914" "2 0020101362" "6439731").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/10 13:14 |
| S22 | 1 | ("20060232969").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/10 13:14 |
| S23 | 5 | S22 or S21 | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/10 13:14 |
| S24 | 1 | ("20030052594").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/10 13:14 |
| S25 | 2549 | (362/294,373).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/10 13:14 |

EAST Search History

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| S26 | 2007 | (362/800).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/10 13:14 |
| S27 | 411 | (362/97).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/10 13:14 |
| S28 | 951 | (362/231).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/10 13:14 |
| S29 | 210 | (S27 or S26 or S25) and S28 | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/10 13:14 |
| S30 | 198 | S29 and (LED or LEDs or (L E D) or (light (emitting or producing or generating or radiating) (diode or diodes or device or devices or element or elements or semiconductor or (semi conductor) or (circuit element)))) | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/10 13:14 |
| S31 | 151 | ("20010035922" "20020006040" "20030048641" "4025777" "4044708" "4521835" "4602191" "4727289" "4729076" "4939426" "4954822" "4963798" "4965488" "4992704" "5008788" "5036248" "5119174" "5143433" "5143442" "5375043" "5396406" "5400229" "5450301" "5528474" "5561346" "5619351" "5660461" "5803579" "5808800" "5813753" "5876107" "5921652" "6007209" "6045240" "6056420" "6079838" "6084250" "6158867" "6210010" "6241363" "6252254" "6315440" "6329676" "6331063" "6335817" "6386720" "6392891" "6394626" "6404131" "6411046" "6412968" "6428189" "6443597" "6517213" "6600427" "6612717" "6642975").PN. OR ("2003/0072153" "2006/0023448" "5008788" "5752766" "6799865" "6857767" "6883933" "6923548" "6964489").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/12/10 13:14 |

EAST Search History

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|-----|----|---|---|-----|----|------------------|
| S32 | 78 | (US-20040032569-\$ or US-20030189829-\$ or US-20050243539-\$ or US-20040057234-\$ or US-20040052077-\$ or US-20050152146-\$ or US-20030072153-\$ or US-20030058650-\$ or US-20030048641-\$ or US-20060002142-\$ or US-20060187660-\$ or US-20060007013-\$ or US-20060023448-\$ or US-20060146531-\$ or US-20060092640-\$ or US-20060092639-\$ or US-20060034085-\$ or US-20050237747-\$ or US-20020176250-\$ or US-20050047140-\$ or US-20050018445-\$ or US-20040264195-\$ or US-20030156416-\$ or US-20040233671-\$ or US-20060227554-\$ or US-20040069459-\$).did. or (US-20060098438-\$ or US-20050022978-\$ or US-20060056169-\$ or US-20050051304-\$ or US-20040184272-\$ or US-20060203510-\$ or US-20040050533-\$ or US-20050207165-\$ or US-20060232969-\$ or US-20040213016-\$ or US-20010030866-\$).did. or (US-7055987-\$ or US-6082443-\$ or US-6827134-\$ or US-3971435-\$ or US-5223747-\$ or US-6994152-\$ or US-5785418-\$ or US-5660461-\$ or US-6949772-\$ or US-6717813-\$ or US-6880626-\$ or US-6857767-\$ or US-6910794-\$ or US-4729076-\$ or US-6789921-\$ or US-5119174-\$ or US-4925295-\$ or US-7121692-\$ or US-6843308-\$ or US-6045240-\$ or US-7111963-\$ or US-6490160-\$ or US-6227287-\$ or US-6799864-\$ or US-6428189-\$ or US-6964489-\$). did. or (US-6585039-\$ or US-5960866-\$ or US-5268812-\$ or US-6856037-\$ or US-6375340-\$ or US-6377459-\$ or US-6163073-\$ or US-6437981-\$ or US-5857767-\$ or US-6517218-\$ or US-5528474-\$ or US-7095187-\$ or US-4787737-\$ or US-5465782-\$ or US-3673306-\$). did | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/10 13:14 |
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EAST Search History

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| S33 | 473 | (257/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/10 13:14 |
| S34 | 466 | S33 not (S32 or S30 or S31) | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/10 13:14 |
| S35 | 2128 | (362/294).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/10 13:14 |
| S36 | 36 | (US-20060232969-\$ or US-20010030866-\$ or US-20030048641-\$ or US-20030058650-\$ or US-20030072153-\$ or US-20030189829-\$ or US-20040213016-\$ or US-20040233671-\$ or US-20050207165-\$ or US-20060023448-\$ or US-20020006040-\$ or US-20020020845-\$ or US-20020050958-\$ or US-20030052594-\$).did. or (US-6439731-\$ or US-4729076-\$ or US-5119174-\$ or US-5660461-\$ or US-5528474-\$ or US-5857767-\$ or US-6045240-\$ or US-6375340-\$ or US-6857767-\$ or US-6910794-\$ or US-5008788-\$ or US-5752766-\$ or US-6799865-\$ or US-6883933-\$ or US-6923548-\$ or US-6964489-\$ or US-4992704-\$ or US-6528954-\$ or US-7138659-\$ or US-D405426-\$ or US-3890170-\$ or US-5266817-\$). did. | US-PGPUB; USPAT | ADJ | ON | 2006/12/10 13:14 |
| S37 | 6 | S36 and (silicon and aluminum) | US-PGPUB; USPAT | ADJ | ON | 2006/12/10 13:14 |

EAST Search History

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|-----|-----|---|---|-----|-----|------------------|
| S38 | 143 | ("20010035922" "20020006040" "20020074557" "20030048641" "20030048912" "20030063463" "20030072153" "20030076033" "20030098460" "20030112627" "20040125515" "20050018424" "20050178034" "3940756" "4044708" "4077144" "4241277" "4394600" "4573766" "4602191" "4937654" "5008788" "5059373" "5119174" "5375039" "5426446" "5471371" "5478778" "5528474" "5550721" "5632551" "5659297" "5660461" "5719444" "5739800" "5746497" "5806965" "5808800" "5857767" "6007209" "6045240" "6116759" "6158867" "6175342" "6210010" "6238056" "6283613" "6331063" "6390643" "6392891" "6394626" "6402347" "6428189" "6480389" "6517213" "6600427" "6612717" "6642975" "6652127" "6813853" "6831305").PN. OR ("2002/0006040" "2002/0020845" "2002/0050958" "2003/0072153" "2003/0189829" "2005/0207165" "5008788" "6439731" "6857767" "6883933" "6964489" "7138659").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2006/12/10 13:14 |
| S39 | 25 | S36 and aluminum | US-PGPUB; USPAT | ADJ | ON | 2006/12/10 13:14 |
| S40 | 4 | ("20020050958" "20020070914" "2 0020101362" "6439731").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | ADJ | ON | 2006/12/10 13:14 |
| S41 | 1 | (("20040062040") or ("200502584446")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/10 15:36 |
| S42 | 2 | (("20040062040") or ("20050258446")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/12/10 15:36 |